Alberta Public & Separate School Provincial Enrolment Projections 1985-95

Planning Services

Alberta

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ALBERTA PUBLIC AND SEPARATE SCHOOL PROVINCIAL ENROLMENT PROJECTIONS

1985-1995

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EXECUTIVE SUMMARY

Enrolments, Grades 1 - 12, 1985-1995
(Pages 34 - 36)

School enrolments in grades 1 to 12 are expected to increase to between 517,813 and 527,686 by 1995 from the 1984 level of 422,669. This represents an increase of about 22.5 to 24.8 percent over the forecast period.

The majority of this growth can be expected to occur at the elementary level, where enrolments are forecasted to increase from 213,208 to between 279,919 and 287,347.

Cohort Population
(Pages 2 - 7)

Alberta Bureau of Statistics most pessimistic projections for the 5 to 9 age group is for it to grow from 183,000 in 1985 to 227,000 by 1992. At the same time they expect the 10 to 14 age group to increase from 176,000 in 1985 to 195,000 by 1992.

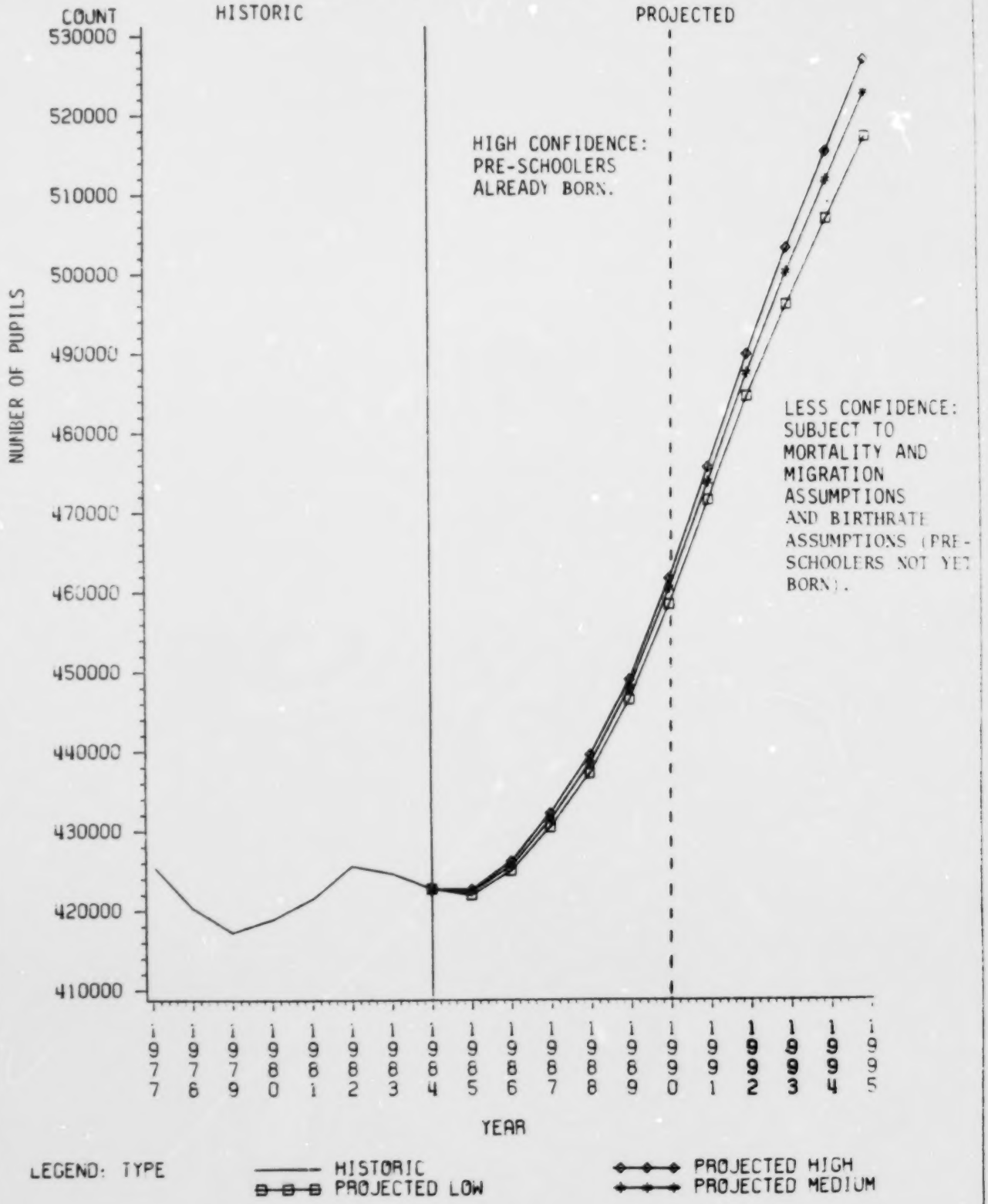
Early Childhood Services
(Pages 15 - 17)

From 1976 to 1981, ECS (Early Childhood Services) enrolment increased from 18,219 to 22,166 or 21.7 percent despite the fact that the cohort population of five year olds increased by only 9.3 percent over the same period. It should be noted that the government sponsorship of the ECS program began in 1972 and as a result, some of the spectacular growth in ECS enrolment can be attributed to the

increased availability of this program. And concurrent with the rise in ECS enrolment is the rise in labour force participation rate of women. The labour force participation rate of women increased from 39.4 percent in 1971 to 58.5 percent in 1981. Mothers working outside the home have in some way contributed to the rising level of ECS enrolment and will continue to affect this level in the future. ECS enrolments are expected to increase to between 32,000 and 33,000 by 1995.

TOTAL ENROLMENTS GRADES 1–12

ALBERTA PUBLIC AND SEPARATE SCHOOLS



1. INTRODUCTION

The influx of migrants to the province during the economic boom of the late 1970's and early 1980's caused Alberta's population to grow at a rapid rate. Statistics show that most of the migrants to Alberta were spread over the whole range of the working age group and as a result, migration did little to reverse the current North American trend towards an aging population.[1] It is therefore not surprising that total school enrolments fluctuated over the period 1971-1984.

Total enrolments[2] declined from 425,468 pupils in 1971 to 422,801 pupils in 1983 or by 0.63 percent while the provincial population increased from 1,627,900 persons to 2,362,000 persons or by 37.45 percent over the same period. The school age population as a percentage of total population therefore declined over the 1971 to 1983 period from 26% to 18%.

The purpose of this report is to forecast the pupil enrolments for the period 1985-1986 and then attempt to put this into a longer term perspective by analyzing them against the enrolments for 1986-1995[3].

At the outset it should be stated that the longer term forecast (1986-1995) is highly speculative, since it is based on the assumption that the past will prevail into the future, and as a result, the forecasts will be valid as long as certain conditions hold.

The essay is divided into the following sections: **1.** Introduction, **2.** Population and Economy, **3.** Review of Enrolments, **4.** Methodology, and **5.** Enrolment Forecast.

2. POPULATION AND ECONOMY

A. DEMOGRAPHICS

This section reviews the province's population over the past two decades. A historic review is necessary to identify both past and future trends, since enrolment in Grades 1 through 9 is a close mirror image of the 5 to 14 year-old population, because of the compulsory nature of education (see Figure 1).

1. Birth Rates (1961-1981)

Alberta's birth rates increased from 20.4 births per 1,000 persons in 1936 to 27.6 in 1946, peaked at 31.1 in 1956 and declined steadily to 17.8 by 1981 (see Tables 1 and 2).

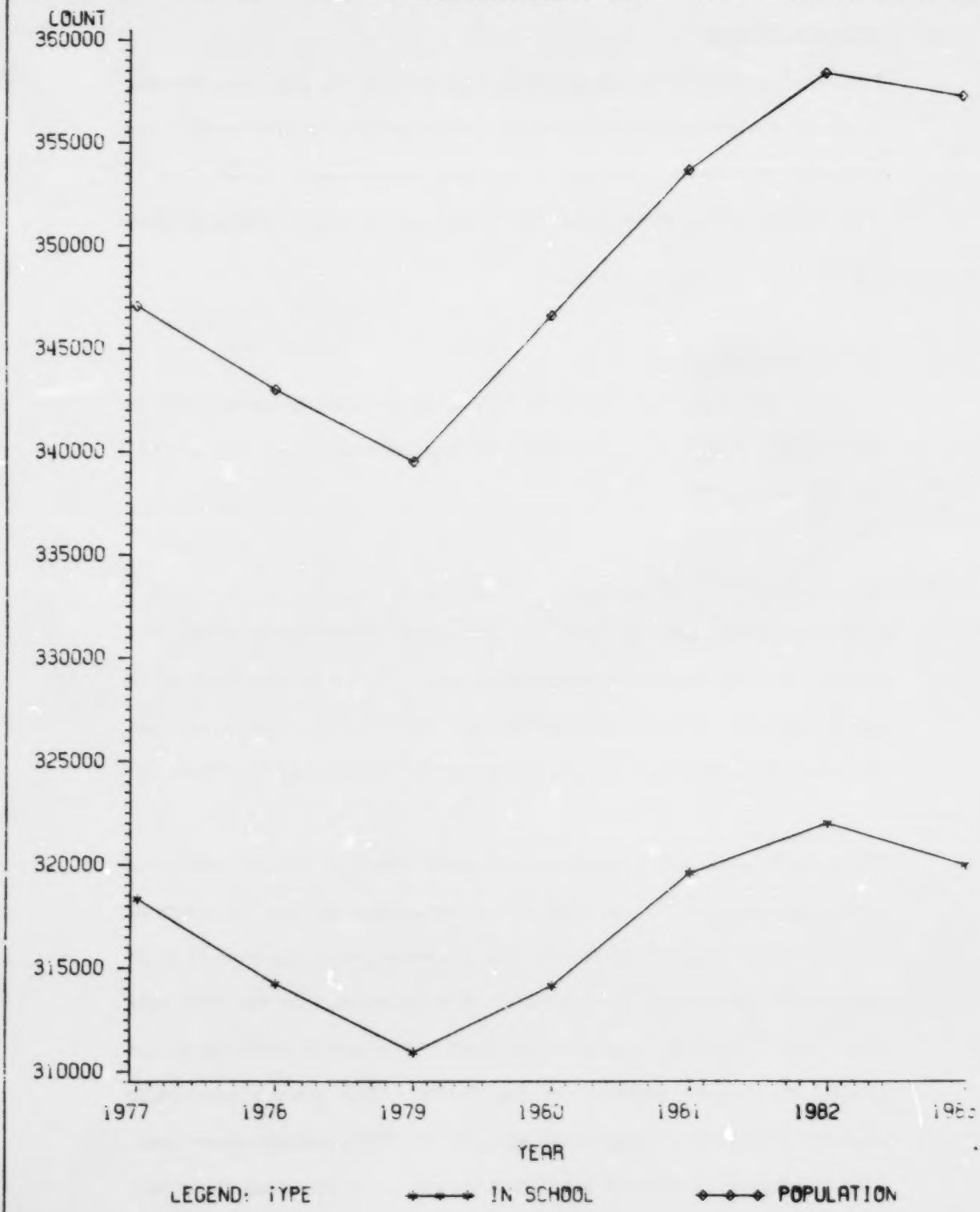
2. Population Growth (1961- 1981)

Over the period 1961 to 1971 the province's population grew by 22.2 percent with the largest increases occurring in the 15 to 19 and 20 to 24 age groups, with growth rates of 62.5 and 59.6 percent respectively. On the other hand, the 0 to 4 age group declined by 15.7 percent (see Table 3).

The current aging of the population is a direct result of the increase in the birth rate between 1936 and 1956 and its subsequent decline. Products of the "baby boom" years 1936 to 1956 would have ranged in age from 15 to 25 years old in the decade 1961 to 1971. With a decrease in the birth rate after 1956, it is hardly surprising that the 15 to 19 and 20 to 24 age groups showed the largest decrease in the 1970's. This phenomenon would obviously translate to a population aging in the 1980's and subsequent years when the highest increase of population growth would be among those over the age of 40.

FIGURE 1

POPULATION AGED 5-14 VS ELEMENTARY AND JUNIOR HIGH ENROLMENT



NOTE: THE GAP BETWEEN THE CURVES IS DUE TO EXCLUSION OF ECS AND PRIVATE SCHOOL ENROLMENTS.

TABLE 1
HISTORICAL BIRTH RATES

YEAR	BIRTH RATE PER 1000
1936	20.4
1946	27.6
1956	31.1
1961	29.2
1966	20.9
1971	18.8
1976	18.0
1977	18.0
1978	17.8
1979	18.0
1980	18.6
1981	17.8

Source: Alberta Bureau of Statistics

TABLE 2
PROJECTED BIRTH RATES

YEAR	BIRTH RATE PER 1000
1984	19.6
1985	19.3
1986	18.8
1987	18.3
1988	17.9
1989	17.4
1990	16.9
1991	16.5
1992	15.8
1993	15.4
1994	15.1

Source: Alberta Bureau of Statistics

TABLE 3

Population - Alberta

1961-1991

Age Group	Year						
	1961	%	1971	%	1981	%	1991
0-4	179 888	-15.71	151 620	23.97	187 960	16.41	218 800
5-14	289 436	25.38	362 885	-2.52	353 705	16.79	413 100
15-19	99 004	62.51	160 890	33.28	214 430	-17.22	177 500
20-24	89 154	59.57	142 265	85.80	264 330	-29.22	187 100
25-39	284 264	11.48	316 900	82.91	579 650	26.20	731 500
40-49	151 204	21.01	182 980	20.67	220 795	53.72	339 400
50-54	58 273	27.88	74 520	31.70	98 140	14.43	112 300
55-64	87 643	33.58	117 075	32.66	155 310	22.27	189 900
65+	93 078	27.58	118 750	37.46	163 230	32.51	216 300
Total	1 331 944	22.22	1 627 885	37.45	2 237 550	15.56	2 585 900

Source: (1) Statistics Canada, Census 1961, 1971 and 1981

(2) Alberta Bureau of Statistics, Alberta Population Projections Update 1984-2011, May 1984

On the other hand, the relative decline in the members of the 0 to 4 age group is due to the falling birth rate between 1961 and 1971.

For the period 1971 to 1981, the population grew 37.4 percent from 1,627,885 to 2,237,550 persons. The 20 to 24 and 25 to 39 years groups experienced increases of 85.8 and 82.9 percent respectively. On the other hand, the 5 to 14 age group declined by 2.52 percent. This pattern of growth is explained by the following factors:

(a) the people in the 20 to 24 and 25 to 39 age groups were born during the baby boom period;

(b) the 5 to 14 year olds were born during a time of sagging birth rates; and

(c) over the period 1976 to 1981 the province experienced an oil boom, which resulted in a large inflow of migrant workers, who were single and between the ages of 20 to 39 years.

1981-1991

Between 1981 and 1991, the overall growth rate for the province's population is forecasted at 16.26 percent.[4] This represents a sizeable drop from the growth rate of the two previous decades. The decline in the growth rate is expected since the economic boom conditions, during the 1970's and early 1980's, are unlikely to return, due to the depressed state of the oil market.

Figure 2 shows that the proportion of the total population that is between 15 and 19 years of age is forecasted to experience a relative decline by

1991. This is a continuation of the trend started in the early 1970's (Table 4 and Figure 2). On the other hand, Alberta Bureau of Statistics forecasts that the provincial popoulation in the 5 to 14 age group should increase from the 1981 level of 353,705 to 414,100 by 1991 or 17.07 percent. The implications for Alberta Education are that school enrolments could be expected to increase considerably at the elementary level and show little or no growth at the junior high and senior high levels over the medium to long term.

FIGURE 2

% DISTRIBUTION OF POPULATION - ALBERTA

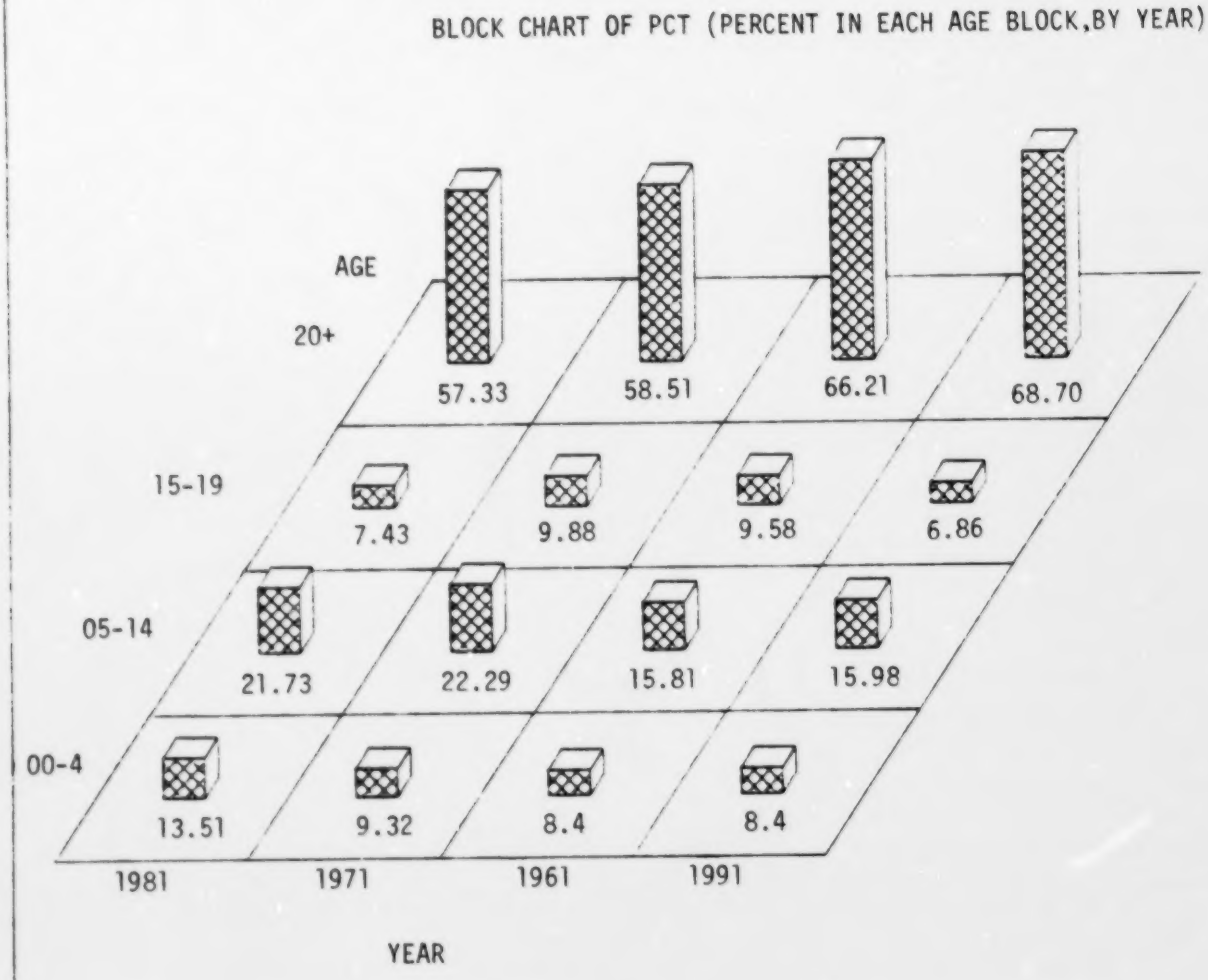


TABLE 4

% Age Distribution of Population - Alberta

1961 - 1991

Age Group	Year			
	1961	1971	1981	1991
0-4	13.51	9.32	8.40	8.59
5-14	21.73	22.29	15.81	15.91
15-19	7.43	9.88	9.58	6.89
20-24	6.69	8.74	11.81	7.28
25-39	21.34	19.47	25.91	28.66
40-49	11.35	11.24	9.86	12.88
50-54	4.37	4.58	4.39	4.29
55-64	6.59	7.19	6.94	7.28
65+	6.99	7.29	7.30	8.22
Total	100.00	100.00	100.00	100.00

Source: See Table 3.

B. CURRENT ECONOMIC CONDITIONS

Alberta enjoyed rapid economic growth during the 1970's and into 1980-81 because of increasing world prices for oil. Consequently, the province became a haven for job-seekers.

The economic climate of the province soon changed. The higher world oil prices resulted in increased production of oil by non-OPEC countries and in the implementation of conservation measures by non-oil producing nations. The combination of these forces served to produce a glut in the marketplace. Since oil was a significant contributor to the province's economic well-being, Alberta became very vulnerable to fluctuations in the market for oil. Oil sands mega-projects were abandoned and the construction of petrochemical plants were delayed or cancelled. The provincial Gross Domestic Product fell by 4.8 percent in 1982.

The decline in economic activity resulted in a doubling of the unemployment rate to 7.7 percent in 1982 from its 1981 level of 3.8 percent. As the downturn deepened in 1983, the unemployment rate climbed to 10.6 percent.

The current lack of job opportunities has acted as a deterent to the would-be migrant to Alberta and caused many of the now unemployed earlier migrants to return to their home provinces. This resulted in a reversal in the pattern of inter-provincial migration. For the period 1976-1981, when the province was experiencing boom conditions, Alberta benefited from net inter-provincial migration. In 1976, net inter-provincial migration was 38,300. It increased to 50,100 by 1980 and then

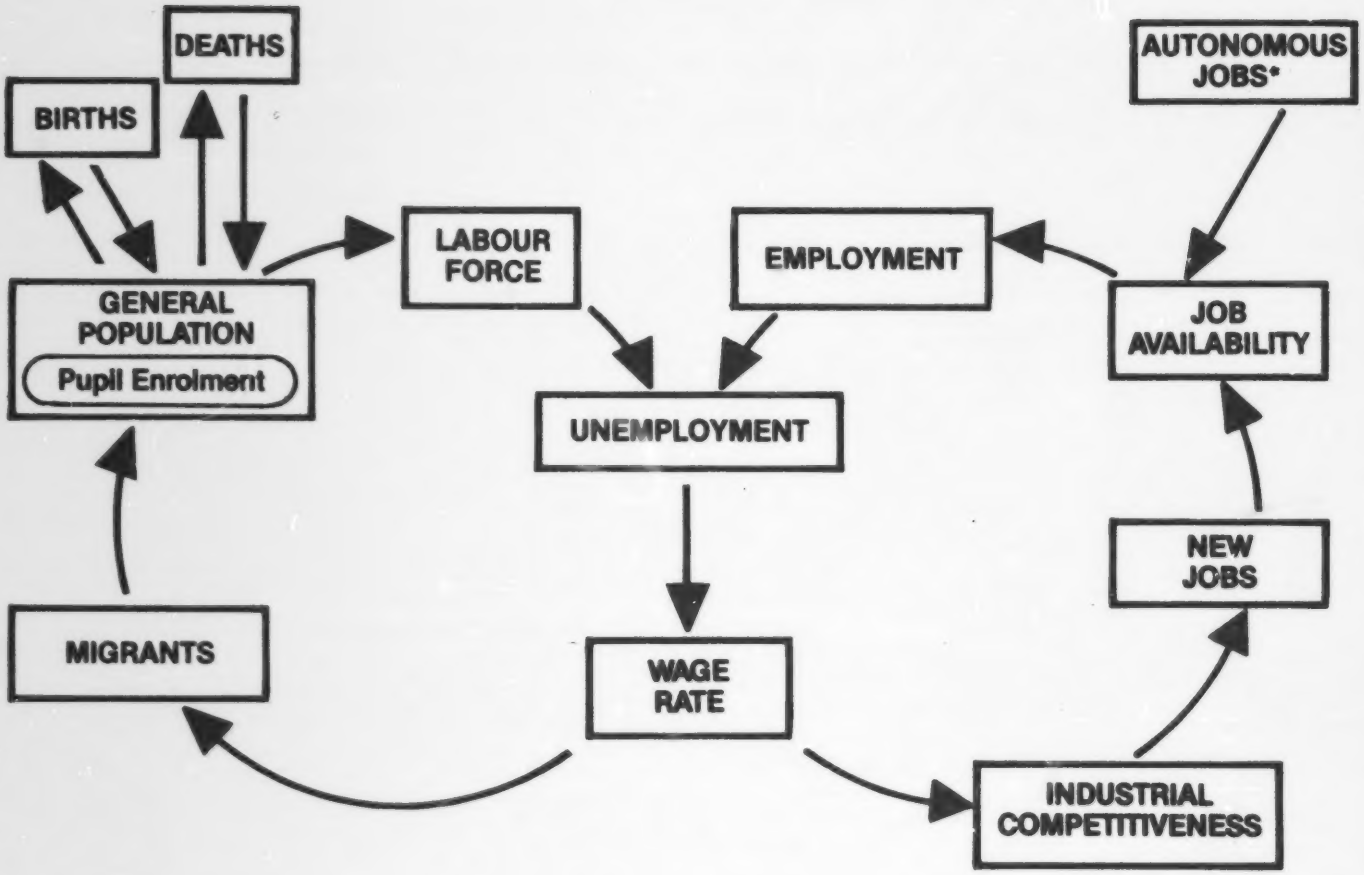
fell slightly to 45,700 by 1981. However, in 1982, when the present downturn commenced, net inter-provincial migration plummeted to 9,200. As the downturn continued, net migration declined to -21,200 during 1983 (see Table 5).

As a result of reduced in-migration, the population of labour force age grew by only 3.9 percent in 1982, down from the previous year's 4.1 percent. By 1983, the growth rate fell to 1.6 percent and it is expected to fall further to 0.3 percent in 1984 and then recover slightly to 1.2 percent by 1985[5].

Between 1980 and 1981, personal disposable income increased by 20.34 percent, but by 1982 and 1983, it fell to 11.5 percent and 2.8 percent respectively. 1983's high unemployment and declining personal disposable income combined to depress the retail and housing sectors. For example, in 1981 retail sales grew by 15.88 percent, while in 1982 and 1983 the growth rate plunged to 0.3 and 2.2 percent respectively.

The present state of the Alberta economy has had a negative impact on provincial pupil enrolments since 1982. The relationship between jobs, in-migration and pupil enrolments is sketched out in Figure 3. Growth in jobs, assuming things are equal, will result in an increase in job availability, which will have a positive effect on the job vacancies and therefore cause the provincial unemployment rate to decline. A reduction in the provincial unemployment rate, assuming all things are equal, will produce an increase in Canada's unemployment rate relative to Alberta's unemployment rate. This relative imbalance will result in Alberta becoming a desired place for

FIGURE 3
POPULATION DYNAMICS IN A REGIONAL SETTING



* HIRING PRACTICES IN THESE JOBS RESPOND SLOWLY TO ECONOMIC CONDITIONS.

the Canadian job-seeker to be, and as a consequence, inter-provincial migration will be increased. An increase in in-migration would cause population to grow, assuming all things equal, which in turn will enlarge the labour supply and thus cause the number of available jobs to decline. An enlarged population will produce an increase in the births, which in the long run will cause a further increase in the population. In the final analysis, the result will be an increase in student enrolments. A decrease in jobs will produce the opposite effect.

TABLE 5
Net Migration

Annual/ Quarter	Inter-provincial	Inter-national	Total	Natural Increase	Population Growth
1976	38,300	13,400	51,700	21,700	73,400
1977	37,700	11,200	48,900	22,800	71,700
1978	40,100	8,300	48,400	23,500	71,900
1979	45,900	11,200	57,100	23,700	80,800
1980	50,100	16,500	66,600	26,000	92,600
1981	45,700	16,900	62,600	29,900	92,500
1982	9,200	15,400	24,600	32,000	56,600
1983	-30,800	8,900	-21,900	32,800	10,900
1982					
I	6,900	3,900	10,800	7,700	18,500
II	4,300	4,400	8,700	8,400	17,100
III	1,400	4,200	5,600	6,600	12,200
IV	-3,400	2,900	-500	6,700	6,200
TOTAL	9,200	15,400	24,600	29,400	54,000
1983					
I	-1,200	2,200	1,000	7,900	8,900
II	-4,000	2,400	-1,600	8,700	7,100
III	-11,600	2,500	-9,100	8,700	-400
IV	-13,200	1,700	-11,500	8,200	-3,300
TOTAL	-30,000	8,800	-21,200	33,500	12,300
1984					
I	-9,300	1,200	-8,100	7,600	-500
II	-10,100	1,900	-8,200	8,100	-100
III	-14,400	1,700	-12,700	7,900	-4,800
TOTAL					

Source: Alberta Bureau of Statistics, Alberta Statistical Review, Fourth Quarter 1984, February, 1985.

3. REVIEW OF ENROLMENTS

A. EARLY CHILDHOOD SERVICES

In 1974, the first year for which Early Childhood Services (ECS) figures are available, enrolment in the public system was 8,264 students. This increased sharply to 18,219 students by 1976. Between 1976 and 1981 the number of students grew by 21.71 percent, from 18,219 to 22,166. On the other hand, the cohort population of five year olds, increased by only 9.3 percent over the 1976-1981 period. The rapid growth in the ECS enrolment is largely explained by:

a) Increased coverage of the E.C.S. program

Government sponsorship of this program began in 1972 and has expanded in each successive year.

b) Increased labour force participation of women

In 1971 the labour force participation rate for women was 44.4 percent, and by 1981 the rate increased to 59.0 percent or by 32.89 percent. This is in sharp contrast to the labour force behavior of men, who over the same period, increased their participation rate by roughly 6 percent (see Tables 6 and 7).

The increased participation of women in the labour force has created a demand for daycare facilities and maybe related services such as Early Childhood Services. A continued increase in their labour force participation rate should result in a further increase in ECS enrolments.

TABLE 6
LABOUR FORCE STATISTICS
PARTICIPATION RATE

Year	Female	Male
1971	44.4%	80.5%
1975	49.6%	82.4%
1976	50.7%	83.0%
1977	51.4%	82.7%
1978	53.2%	83.3%
1979	54.8%	84.3%
1980	57.1%	84.3%
1981	59.0%	85.1%
1982	58.7%	83.7%
1983	59.8%	83.0%
1984	61.2%	82.7%

Source: Alberta Bureau of Statistics, Personal Communication, February, 1985.

Statistics Canada, Labour Force Annual Averages 1975-1983, # 71-529.

Statistics Canada, Census 1971

TABLE 7

HISTORIC TOTAL ALBERTA PUBLIC SCHOOL ENROLMENTS BY LEVEL AND YEAR 1971 - 1984

Grade	1971	1972	1973	1974	1975	1976	1977
ECS	---	---	---	8,264	14,870	18,219	18,212
1	35,283	33,289	33,437	33,118	33,970	35,528	34,906
2	37,518	33,816	32,064	32,210	32,118	33,102	34,452
3	37,998	37,072	33,453	31,951	32,589	32,376	33,104
4	37,503	37,969	36,926	33,765	32,785	33,243	32,640
5	37,444	37,402	37,786	37,203	34,363	32,983	33,504
6	37,245	37,397	37,285	37,806	37,747	34,841	33,252
Elementary Special	2,132	2,593	2,614	2,578	2,756	2,762	2,724
7	37,441	37,757	37,811	38,138	39,001	38,906	36,050
8	35,846	36,872	37,229	37,477	37,964	38,876	38,766
9	33,979	34,613	35,617	36,303	36,670	37,246	37,752
Junior High Special	1,751	2,303	2,613	2,734	2,314	2,367	2,394
10	32,572	33,503	34,223	35,512	36,278	36,441	36,713
11	30,120	29,508	30,362	30,916	32,424	33,231	33,784
12	30,094	29,690	29,774	29,536	31,039	31,599	31,792
Senior High Special	---	---	---	---	1,318	1,363	1,575
Elementary	225,123	219,538	213,565	208,631	206,328	204,835	204,582
Junior High	109,017	111,545	113,270	114,652	115,949	117,395	114,962
Senior High	92,786	92,701	94,359	95,964	101,059	102,634	103,864
Total (1-12)	426,926	423,784	421,194	419,247	423,336	424,864	423,408
Total (ECS-12)	426,926	423,784	421,194	427,511	438,206	443,083	441,620

Includes: Lloydminster Enrolments

TABLE 7 (continued)

Grade	1978	1979	1980	1981	1982	1983	1984
ECS	18,373	18,699	19,923	22,166	23,962	26,295	27,546
1	34,388	34,978	36,643	38.191	38,706	38,226	38,191
2	33,772	33,276	33,855	35,273	36,257	36,092	35,899
3	34,274	33,710	33,466	33,882	34,832	34,901	35,030
4	33,351	34,459	34,315	33,855	33,787	33,823	34,074
5	32,886	33,564	34,907	34,677	33,929	33,124	32,645
6	33,623	32,974	34,052	35,227	34,711	33,238	32,297
Elementary Special	2,931	3,151	3,498	3,807	3,782	4,713	4,694
7	34,243	34,678	34,106	35,067	36,134	35,075	33,669
8	35,937	34,147	34,498	34,108	34,718	35,238	34 503
9	37,620	34,661	33,315	33,686	33,245	33,496	33,470
Junior High Special	2,420	2,518	2,836	3,125	3,287	3,484	3,437
10	36,975	36,885	34,474	33,107	33,320	32,394	32,638
11	34,092	34,141	33,851	31,661	31,331	31,846	31,711
12	32,253	32,401	32,860	33,150	33,120	34,317	35,243
Senior High Special	1,555	1,660	2,146	2,746	4,363	4,655	4,820
Elementary	206,112	206,112	210,912	214,736	216,004	214,117	212,830
Junior High	106,104	106,104	104,755	105,986	107,384	107,293	105,079
Senior High	105,087	105,087	103,331	100,664	102,134	103,212	104,760
Total (1-12)	420,320	417,303	418,822	421,562	425,592	424,622	422,669
Total (ECS-12)	438,693	436,002	438,745	443,728	449,484	450,917	450,215

Enrolment figures are preliminary and subject to change.

Includes: Lloydminster enrolments.

B. GRADES 1-12

TOTAL ENROLMENTS

1. Province Wide

Enrolments declined from 425,713 in 1977 to 417,291 in 1979 and increased to 425,522 in 1982. In 1984 enrolments dropped to 422,669. Over the period 1977 to 1984, enrolments remained almost unchanged (see Table 13).

The relative stability in enrolments is due to the following factors:

(a) the oil boom resulted in an influx of workers and a corresponding increase in in-migrants of school age;

(b) the people who were entering school in Grade 1 between 1976 and 1979 were born between 1970 and 1973;

(c) on the other hand, the students who were leaving school (18+ years) were born between 1961 and 1956; and

(d) the birth rate for the period 1970-1973 was considerably below that of the 1956-1961 period (see Table 1). This resulted in the number of people leaving school being greater than the number of those entering school.

2. Major Urban Centres

Enrolments for Calgary Public, Edmonton Public, Calgary Separate, and Edmonton Separate are shown in Tables 8-12.

Eligible Enrolments[6]

1. Province-Wide Eligible Figures

In 1977, eligible enrolments were 415,582 pupils. This declined to 409,718 in 1979 and then increased steadily each year to 416,832 pupils in 1982.

The impact of the recent economic downturn is illustrated by the decline in eligible enrolment from 416,832 pupils in September 23, 1982 to 414,261 pupils by September 30, 1984.

In previous years the eligible enrolment represented 98% of total enrolment. However in 1983, this declined to 97%. This relative decrease is explained by the increased level of participation in the education system by students who were over 18 years.

TABLE 8

TOTAL ENROLMENT IN THE MAJOR URBAN CENTRES AS A % OF TOTAL PROVINCIAL ENROLMENTS

Year	Calgary Public Amount	%	Edmonton Public Amount	%	Calgary Separate Amount	%	Edmonton Separate Amount	%	Province
1981	78 812	18.7	60 699	14.4	23 553	5.6	26 085	6.2	421 434
1982	79 275	18.6	63 390	14.9	23 600	5.5	26 059	6.1	425 522
1983	78 522	18.4	63 465	14.9	23 446	5.5	25 354	5.9	424 622
1984*	77 773	18.4	63 823	15.1	23 130	5.5	24 960	5.9	422 669

Source: Alberta Education

* Enrolment figures are preliminary and subject to change.

TABLE 9

TOTAL ENROLMENT CALGARY PUBLIC SCHOOLS

Year	Elementary	%	Junior High	%	Senior High	%	Total	%
1981	39 298	49.8	20 208	25.6	19 306	24.6	78 812	100
1982	39 046	49.2	20 193	25.2	20 036	25.3	79 275	100
1983	38 153	48.6	19 914	25.4	20 455	26.1	78 522	100
1984*	37 500	48.2	19 429	25.0	20 844	26.8	77 773	100

Source: Alberta Education

* Enrolment figures are preliminary and subject to change.

TABLE 10

TOTAL ENROLMENT
EDMONTON PUBLIC SCHOOLS

Year	Elementary	%	Junior High	%	Senior High	%	Total	%
1981	29 056	47.8	14 609	24.1	17 034	28.1	60 699	100
1982	30 587	48.2	15 312	24.2	17 491	27.6	63 390	100
1983	30 729	48.4	15 103	23.8	17 633	27.8	63 465	100
1984*	31 150	48.8	14 870	23.3	17 803	27.9	63 823	100

Source: Alberta Education

* Enrolment figures are preliminary and subject to change

TABLE 11

TOTAL ENROLMENT
CALGARY SEPARATE SCHOOLS

Year	Elementary	%	Junior High	%	Senior High	%	Total	%
1981	11 781	50.0	5 696	24.2	6 076	25.8	23 553	100
1982	11 871	50.3	5 664	24.0	6 065	25.7	23 600	100
1983	11 785	50.3	5 707	24.3	5 954	25.4	23 466	100
1984*	11 680	50.5	5 553	24.0	5 897	25.5	23 130	100

Source: Alberta Education

* Enrolment figures are preliminary and subject to change

TABLE 12

TOTAL ENROLMENT
EDMONTON SEPARATE SCHOOLS

Year	Elementary	%	Junior High	%	Senior High	%	Total	%
1981	12 356	47.4	6 565	25.2	7 164	27.4	26 085	100
1982	12 370	47.5	6 609	25.4	7 080	27.1	26 059	100
1983	12 000	47.3	6 406	25.3	6 948	27.4	25 354	100
1984*	11 976	48.0	5 987	24.0	6 997	28.0	24 960	100

Source: Alberta Education

* Enrolment figures are preliminary and subject to change

TABLE 13

TOTAL VS. ELIGIBLE ENROLMENTS

Year	Total	Eligible	Eligible/Total
1977	425 713	415 582	.98
1978	420 320	412 655	.98
1979	417 291	409 718	.98
1980	418 822	411 265	.98
1981	421 434	413 415	.98
1982	425 522	416 832	.98
1983	424 622	414 712	.97
1984*	422 669	414 261	.98

Source: Alberta Education

* Enrolment figures are preliminary and subject to change

TABLE 14

TOTAL ENROLMENT
ALBERTA PUBLIC & SEPARATE SCHOOLS

Year	Elementary	%	Junior High	%	Senior High	%	Total	%
1981	214 853	51.0	105 949	25.1	100 632	23.9	421 434	100
1982	216 004	50.8	107 384	25.2	102 134	24.0	425 522	100
1983	214 117	50.4	107 293	25.3	103 212	24.3	424 622	100
1984*	213 208	50.4	104 645	24.8	104 816	24.8	422 669	100

Source: Alberta Education

* Enrolment figures are preliminary and subject to change

4. METHODOLOGY

METHODOLOGY

Enrolment, defined as a head count of students in publicly supported schools, was forecasted for students in Grades 1-12 by using the cohort-survival method. This methodology keeps track of individuals from the time they enter the public school system until they leave it. The 1984 age/grade distribution was used as the basis for advancing students to higher ages and grades. This forecast is done in two stages: (1) age distribution, and (2) grade distribution. The methodology for the age distribution is summarized in Figures 4 and 5. On the other hand, ECS enrolments are forecasted by multiplying their projected cohort population by an assumed school participation rate.

1. AGE DISTRIBUTION

Step 1

Enrolments for students in ages 5 and 6 are determined by multiplying their respective population by the corresponding education participation rates.

Step 2

Obtain current enrolments by single age for students who are 6 years and over.

Step 3

Calculate progression factors for students 15 years and over. These factors are calculated as follows:

(a) obtain enrolment data for two consecutive years, for example 19xx and 19xx + 1; and

FIGURE 4
FORECASTING METHODOLOGY: AGE DISTRIBUTION
(SUMMARY)

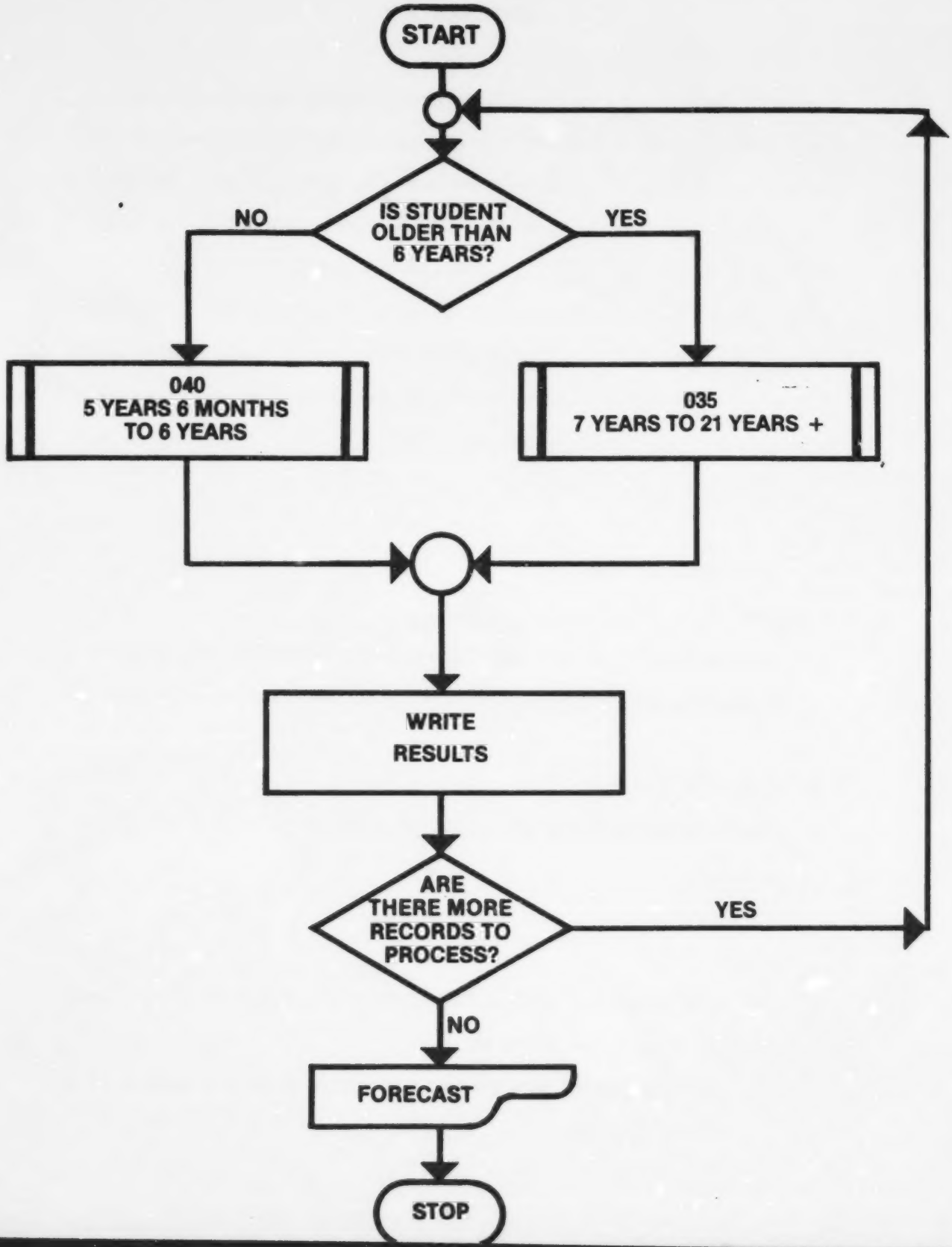
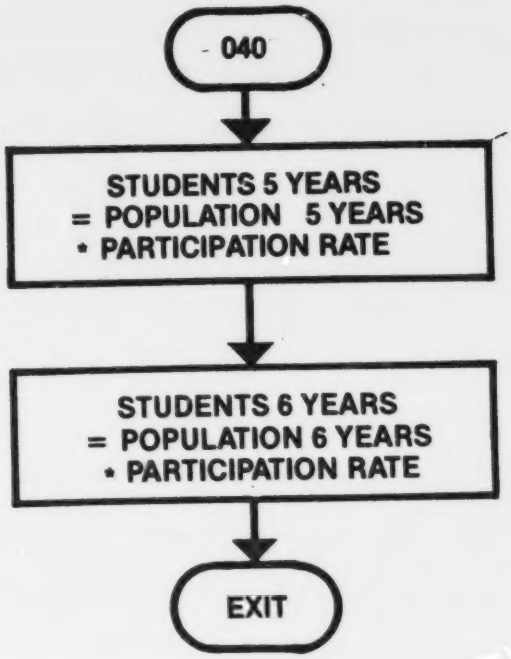
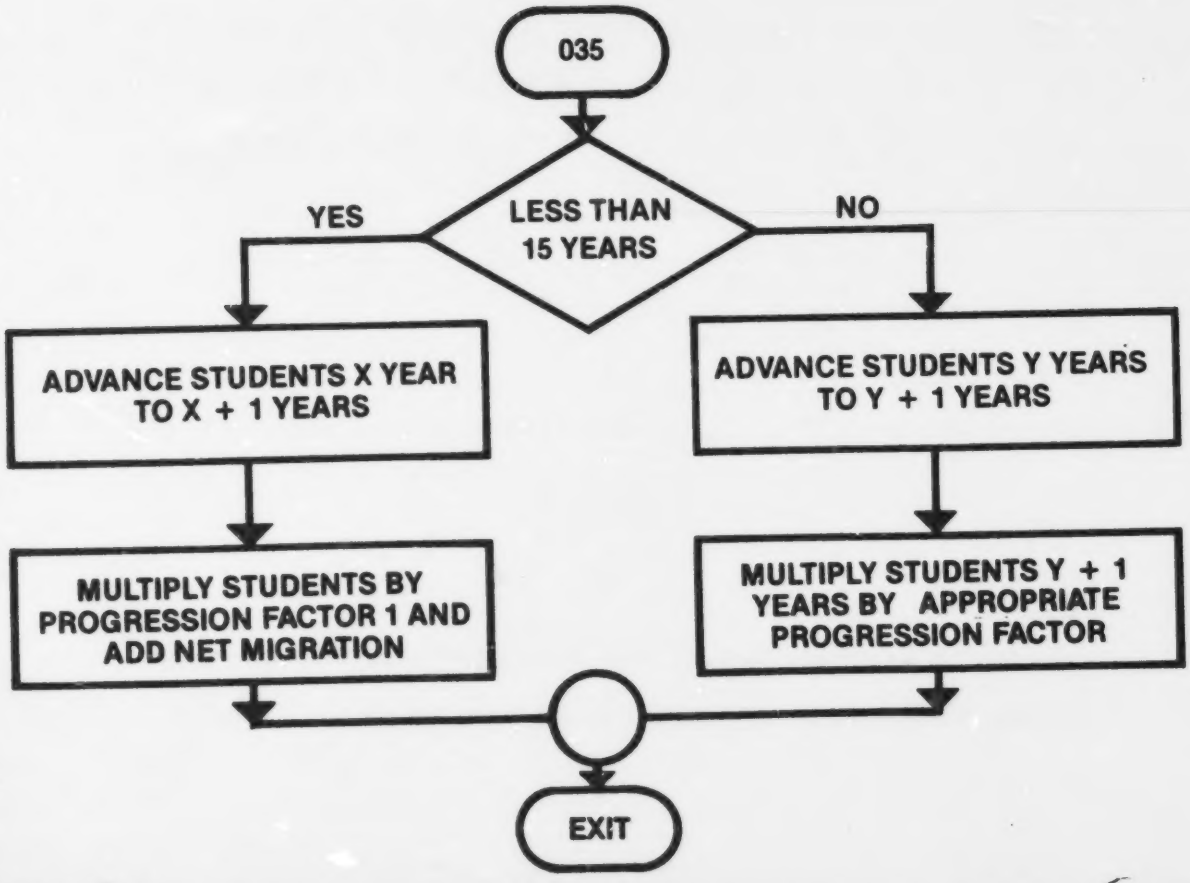


FIGURE 5
FORECASTING METHODOLOGY: AGE DISTRIBUTION
(DETAILED)





(b) for each single year of age divide the numbers of students in that age (MY) by those one year younger (MY - 1). The result MY/MY - 1 is the progression factor. It should be noted that for ages between 7 and 14, the progression factor is assumed to be 1, since school attendance is compulsory.

Step 4

Advance all students who were enroled in school as at September 30 of the current year to the next age. For example, those who were x years will now become x + 1 years old. Multiply the result by the corresponding progression factor. The result will indicate the number of "old" students who have survived the year.

Step 5

Obtain an estimate of the number of net migrants for each age between 7 years and 14 years and add this to the result from Step 4. This figure gives the estimate for the number of students who will enrol in school as of September 30.

2. GRADE DISTRIBUTION

Step 1

Obtain a table which shows the most recent distribution of students by age and grade.

Step 2

Construct an age/grade matrix. This is constructed by determining for each age, the proportion of students that are in each grade.

Step 3

Multiply the forecasted single age school population by the age/grade matrix. This will give the distribution of students by age and grade.

DATA INPUTS

1. Migration

The migration assumptions were based on Alberta Bureau of Statistics, Alberta Population Projection Update, 1984-2011. For the period 1984-1994 the migration assumptions are as follows:

NET MIGRATION 1984-1994

Year	Low	Medium	High
1984-85	-22,700	-13,400	-5,600
1985-86	-7,300	-3,200	1,000
1986-87	900	4,900	7,100
1987-88	7,500	10,200	11,900
1988-89	11,200	12,500	13,100
1989-90	11,900	14,000	14,600
1990-91	13,300	15,600	16,200
1991-92	15,300	17,200	17,800
1992-93	17,100	18,600	19,400
1993-94	18,200	20,400	21,000
1994-95	19,300	22,000	22,600

Source: Alberta Bureau of Statistics, Alberta Population Projections Update 1984-2011, May, 1984.

2. Age Progression Factor

The age progression factor for students between the ages of 7 and 14 years is assumed to be one, since the school attendance for this group is compulsory. On the other hand, for students 15 years and over, the age progression factor is assumed to be not equal to one, since school attendance is not compulsory.

3. Population

The population projections for the 4 to 7 year olds were taken from the Alberta Population Projections Update 1984-2011. The forecast for the period 1984-1994 are listed in Tables 15, 16 and 17.

TABLE 15
POPULATION
LOW FORECAST
(000)

Year	Age 4	Age 5	Age 6	Age 7
1984	38.9	37.2	36.2	36.6
1985	39.9	38.5	36.7	35.7
1986	41.3	39.8	38.4	36.6
1987	42.7	41.3	39.8	38.4
1988	46.2	42.8	41.4	39.9
1989	45.7	46.3	43.0	41.6
1990	45.3	45.9	46.5	43.2
1991	44.9	45.5	46.1	46.8
1992	44.5	45.1	45.8	46.4
1993	44.1	44.8	45.4	46.0
1994	43.7	44.4	45.1	45.8

Source: Alberta Bureau of Statistics, Alberta Population Projections Update 1984-2011, May, 1984.

TABLE 16
POPULATION
MEDIUM FORECAST
(000)

Year	Age 4	Age 5	Age 6	Age 7
1984	38.9	37.3	36.2	36.7
1985	40.1	38.7	37.0	36.0
1986	41.5	40.0	38.6	36.9
1987	42.9	41.5	40.1	38.7
1988	46.5	43.1	41.7	40.3
1989	46.2	46.6	43.3	41.9
1990	45.9	46.4	46.9	43.5
1991	45.7	46.2	46.7	47.2
1992	45.4	46.0	46.5	47.0
1993	45.1	45.7	46.2	46.8
1994	44.6	45.4	46.0	46.6

Source: Alberta Bureau of Statistics, Alberta Population Projections Update 1984-2011, May, 1984.

TABLE 17
POPULATION
HIGH FORECAST
(000)

Year	Age 4	Age 5	Age 6	Age 7
1984	39.0	37.3	36.3	36.7
1985	40.2	38.9	37.2	37.2
1986	41.6	40.2	38.9	37.2
1987	43.1	41.8	40.4	40.0
1988	46.7	43.3	42.0	40.5
1989	46.6	46.8	43.5	41.2
1990	46.4	46.8	47.1	43.7
1991	46.2	46.6	47.0	47.4
1992	46.0	46.6	47.0	47.4
1993	45.8	46.4	46.8	47.4
1994	45.4	46.0	46.7	47.4

SOURCE: Alberta Bureau of Statistics, Alberta Population Projections Update 1984-2011, May, 1984.

5. ENROLMENT FORECAST

The forecast is for the period 1985 to 1995. The report presents three scenarios: (a) low, (b) medium, and (c) high enrolments. The low is based on a low migration assumption, the high scenario assumes that migration will be high and the medium scenario takes the middle approach.

The multi-scenario approach is adopted because it recognizes that the future is uncertain. The single scenario makes the implicit claim that the future has already been decided and is merely waiting to unfold.

A. GRADES 1-12

Short Term (1983-1985)

Low

Enrolments are expected to decline from 424,622 in 1983 to 421,952 in 1985, or by -0.63 percent and recover to 424,954 by 1986 though short of the September, 1982 figure of 425,522 (Table 18).

Medium

The student population should remain virtually unchanged between 1983 and 1984 and then decline to 422,327 pupils from its estimated 1984 level of 422,669 (Table 19).

High

The number of pupils is forecasted to decline 422,594 pupils in 1985 from the 1984 level 422,669 (Table 20).

TABLE 18
TOTAL ENROLMENT
(LOW)

Level	1983	%	1984	%	1985
Elementary	214,108	0.08	212,830	0.65	214,725
Junior High	107,276	-1.57	105,079	-2.20	102,764
Senior High	103,622	0.23	104,760	0.62	104,463
TOTAL	424,622	-0.21	422,669	-0.07	421,952

TABLE 19
TOTAL ENROLMENT
(MEDIUM)

Level	1983	%	1984	%	1985
Elementary	214,108	0.42	212,830	1.09	215,100
Junior High	107,276	-1.27	105,079	-1.82	102,764
Senior High	103,238	0.63	104,760	0.75	104,463
TOTAL	424,622	0.05	422,669	0.28	422,327

TABLE 20
TOTAL ENROLMENT
(HIGH)

Level	1983	%	1984	%	1985
Elementary	214,108	0.72	212,830	1.38	215,367
Junior High	107,276	-1.01	105,079	-1.67	102,764
Senior High	103,238	0.66	104,760	0.81	104,463
TOTAL	424,622	0.27	422,669	0.48	422,594

Long Term (1985-1995)

Over the period 1985-1995, school enrolments are expected to grow to between 517,813 and 527,686 from the 1984 level of 422,669.

B. EARLY CHILDHOOD SERVICES (ECS)

Short Term (1983-1985)

Low

Enrolments are forecasted to grow to 28,278 and 29,302 in 1985 and 1986 respectively, from the 1984 level of 27,627.

Medium

The number of pupils in ECS are expected to increase to 28,437 and 29,449 in 1985 and 1986 respectively.

High

ECS enrolment is forecasted to increase to 28,559 in 1985 and 29,583 in 1986.

Long Term (1983-1994)

Enrolments are expected to increase to between 32,000 and 33,000 by 1995. Over this period the number of students in ECS are expected to peak in 1990 and then decline thereafter. This is due to the forecasted decline in the cohort population.

C. RECOMMENDED FORECAST

The world energy market is likely to remain in its present weak state for at least another year, and as a result, the provincial economy is likely to experience slow economic growth. If this pattern of growth holds true, out-migration from the province is likely to continue and as a result there should be little or no growth in pupil enrolment. **The low forecast is therefore recommended as being the most realistic.**

D. ELIGIBLE ENROLMENT

Eligible enrolment is defined as the non-Indian[7] population that is between the ages of 5.5 and 19 years old. As at September 30, 1984 there were 422,669 pupils enroled in Alberta's schools and of this amount, 414,261 or 98 percent were estimated as being eligible enrolment.

In order to forecast the future eligible enrolment, it will be assumed that the 1984 ratio of eligible enrolment to total enrolment will hold. The projections for 1985 are contained in the tables below.

TABLE 21

ELIGIBLE ENROLMENT

Level	1984	1985
Elementary	210,260	212,132
Junior High	103,253	100,978
Senior High	100,748	100,462
TOTAL	414,261	413,573

The estimated eligible enrolment for 1985 is 413,573 which is about 688 less than the 1983 enrolment of 414,261. Even though total enrolment has dropped substantially below its 1983 level, eligible enrolment remained virtually unchanged for 1984. This unexpected result is explained by the change in the 1984 definition of eligible enrolment. This new definition includes the age group of 5.5 to 19 years old as opposed to the 5.5 to 18 group.

NOTES

1 Commission on Declining Enrolments in Ontario. Implications of Declining Enrolment from the Schools of Ontario, Toronto, 1978.

2 Alberta public school enrolment excluding Lloydminster.

3 Please note that this forecast is subject to change. Once the population and migration base changes, the forecast will be adjusted to reflect this.

4 Alberta Bureau of Statistics.

5 Conference Board of Canada, Quarterly Provincial Forecast, May, 1984

6 This is referred to as the grant eligible enrolment. The province pays school jurisdictions a per pupil grant on this enrolment.

7 Indian means an Indian as defined in the Indian Act (Canada).

APPENDIX

ELIGIBLE ENROLMENT

Level	1984	1985	1986	1987
TOTAL ELIGIBLE				
ELEMENTARY	210260	212132	216398	221796
JR. HIGH	103253	100978	99464	100034
SR. HIGH	100748	100462	100646	100022
TOTAL	414261	413573	416508	421852
DND ELIGIBLE				
ELEMENTARY	1204	1202	1211	1226
JR. HIGH	519	518	522	529
SR. HIGH	379	378	381	386
TOTAL	2102	2099	2113	2141
REGULAR ELIGIBLE				
ELEMENTARY	209056	210930	215187	220570
JR. HIGH	102734	100460	98942	99505
SR. HIGH	100369	100084	100265	99636
TOTAL	412159	411474	414395	419711
WEIGHTED ELIGIBLE*				
ELEMENTARY	209658	211531	215793	221183
JR. HIGH	102994	100719	99203	99770
SR. HIGH	100559	100273	100456	99829
TOTAL	413211	412523	415452	420782

*Weighted Eligible = Regular Public and Separate School Eligible + .5 DND (Department of National Defence) Eligible

ENROLMENT PROJECTIONS 1984-1995
(Public and Separate School Enrolment - Low Forecast)
Age Distribution

			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
		AGE 4	39900	41300	42700	46200	45700	45300	44900	44500	44100	43700	43100
		AGE 5 JUN	38500	39800	41300	42800	46300	45900	45500	45100	44800	44400	43900
		AGE 6 JUN	36700	38400	39800	41400	43000	46500	46100	45800	45400	45100	45100
		AGE 7 JUN	35700	36600	38400	39900	41600	43200	46800	46400	45000	45800	45400
PARTICIPATION RATE 5	0.359128	AGE 5 SEP	37900	39333	40800	42333	45200	46100	45700	45333	45000	44633	44300
PARTICIPATION RATE 6	0.975132	AGE 6 SEP	36367	37800	39333	40900	42533	45400	46333	46000	45267	45333	45200
MIGRATION	ASSUMPTION		-14000	900	7500	11200	11900	13300	15300	17100	18200	19300	21100
PROJECTION	YEAR	0	1	2	3	4	5	6	7	8	9	10	11

Year			1984 (Base Year)	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MIGRATION DISTRIBUTION	PROG FACT*	AGE												
		ECS	27546	28278	29302	30363	31960	33313	33495	33203	32923	32667	32386	32057
0.0000	0	5	12936	13610	14125	14652	15203	16232	16555	16412	16280	16160	16029	15909
0.0000	0	6	34721	35462	36859	38355	39882	41475	44270	45181	44856	44140	44205	44075
0.0169	1.0000	7	35029	34484	35477	36985	38544	40083	41699	44528	45469	45163	44466	44561
0.0169	1.0000	8	34801	34792	34499	35603	37174	38745	40307	41957	44816	45776	45489	44822
0.0163	1.0000	9	34044	34572	34806	34621	35785	37367	38961	40556	42235	45112	46090	45832
0.0116	1.0000	10	32884	33881	34582	34893	34750	35923	37521	39138	40754	42446	45335	46334
0.0118	1.0000	11	33259	32718	33891	34670	35025	34890	36079	37701	39339	40968	42673	45583
0.0120	1.0000	12	33681	33091	32728	33981	34804	35167	35049	36262	37906	39557	41199	42926
0.0126	1.0000	13	35399	33504	33102	32822	34122	34953	35334	35241	36477	38135	39800	41464
0.0124	1.0000	14	34888	35225	33515	33195	32960	34269	35117	35523	35453	36702	38374	40061
	0.9716	15	34111	33897	34225	32563	32252	32024	33296	34120	34514	34446	35660	37284
	0.9468	16	32163	32296	32094	32404	30831	30536	30320	31525	32305	32678	32614	33763
	0.7114	17	23449	22881	22967	22832	23053	21934	21724	21570	22427	22982	23248	23202
	0.2849	18	6930	6680	6518	6545	6504	6567	6248	6188	6144	6389	6547	6622
	0.2814	19	1778	1950	1880	1834	1842	1830	1848	1758	1741	1729	1798	1842
	0.4332	20	565	770	844	814	794	797	792	800	761	754	749	778
	3.6795	21	2031	2078	2833	3105	2995	2921	2932	2914	2943	2800	2774	2755
TOTALS (1-12)			422669	421891	424954	429874	436520	445713	458052	471374	484420	495937	507050	517813
GRAND TOTAL (+ECS**)			450215	450169	454256	460237	468480	479026	491547	504577	517343	528604	539436	549870

Source: Alberta Education

Note: Totals may not correspond due to rounding

*Progression Factor

**Early Childhood Services (includes pre-schoolers in public and separate ECS programs)

ENROLMENT PROJECTIONS 1984-1995
(Public and Separate School Enrolment - Low Forecast)
Grade Distribuiton

GRADE	1984 (BASE YEAR)	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
1	38191	39321	40821	42434	44097	46272	48568	49207	48924	48314	48191	47989
2	35899	35796	36835	38338	39928	41531	43558	45757	46485	46166	45736	45700
3	35030	34918	35066	36173	37699	39267	40859	42866	45048	45820	45554	45167
4	34074	34480	34623	34875	36008	37521	39096	40708	42711	44888	45708	45504
5	32645	33297	33886	34115	34413	35526	37024	38595	40202	42183	44328	45170
6	32297	32183	32990	33647	33917	34228	35343	36846	38422	40027	42006	44138
ELEM SPEC	4694	4730	4822	4925	5050	5216	5434	5639	5865	6037	6167	6251
7	33669	32963	33012	33886	34597	34896	35246	36392	37934	39558	41216	43262
8	34503	33326	32803	32937	33850	34563	34875	35253	36418	37965	39594	41266
9	33470	33102	32125	31684	31844	32728	33433	33755	34134	35260	36759	38346
J H SPEC	3437	3373	3283	3296	3351	3439	3481	3528	3610	3757	3922	4089
10	32638	32626	32351	31458	31040	31210	32061	32735	33046	33425	34528	35983
11	32059	32067	32018	32183	31342	31017	30839	31459	32005	32307	32338	32978
12	35243	34946	35288	35381	35026	34081	33630	33712	34524	35147	35498	35876
S H SPEC	4820	4824	4997	4983	4888	4812	4836	4898	4975	4990	5064	5189
ELEMENTARY	212830	214725	219043	224507	231112	239561	249882	259638	267657	273435	277690	279919
JR HIGH	105079	102764	101223	101803	103642	105626	107035	108928	112096	116540	121491	126963
SR HIGH	104760	104463	104654	104005	102296	101120	101366	102804	104550	105869	107428	110026
TOTAL	422669	421952	424920	430315	437050	446307	458283	471370	484303	495844	506609	516908

Source: Alberta Education

Note: Totals may not correspond due to rounding

ENROLMENT PROJECTIONS 1984-1995
(Public and Separate School Enrolment - Medium Forecast)
Age Distribution

			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
		AGE 4	40100	41500	42900	46500	46200	45900	45700	45400	45100	44600	44200
		AGE 5 JUN	38700	40000	41500	43100	46600	46400	46200	46000	45700	45400	45000
		AGE 6 JUN	37000	38600	40100	41700	43300	46900	46700	46500	46200	46000	45800
		AGE 7 JUN	36000	36900	38700	40300	41900	43500	46200	47000	46800	46600	46400
PARTICIPATION RATE 5	0.359128	AGE 5 SEP	38133	39533	41033	42633	45500	46567	46367	46167	45867	45600	45267
PARTICIPATION RATE 6	0.975132	AGE 6 SEP	36667	38033	39633	41233	42833	45767	46533	46667	46400	46200	46000
MIGRATION	ASSUMPTION		-14000	900	7500	11200	11900	13300	15300	17100	18200	19300	21100
PROJECTION	YEAR	0	1	2	3	4	5	6	7	8	9	10	11

Year			1984 (Base Year)	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MIGRATION DISTRIBUTION	PROG FACT*	AGE												
		ECS	27546	28437	29449	30521	32179	33581	33873	33727	33556	33337	33081	32813
0.0000	0	5	12936	13694	14197	14736	15310	16340	16723	16651	16579	16472	16376	16256
0.0000	0	6	34721	35754	37087	38647	40207	41768	44628	45376	45506	45246	45051	44856
0.0169	1.0000	7	35029	34484	35769	37213	38836	40408	41992	44886	45664	45813	45572	45407
0.0169	1.0000	8	34801	34792	34499	35895	37402	39037	40632	42250	45174	45971	46139	45928
0.0163	1.0000	9	34044	34572	34806	34621	36077	37595	39253	40881	42528	45470	46285	46482
0.0116	1.0000	10	32884	33881	34582	34893	34750	36215	37749	39430	41079	42739	45693	46529
0.0118	1.0000	11	33259	32718	33891	34670	35025	34890	36371	37929	39631	41293	42966	45941
0.0120	1.0000	12	33681	33091	32728	33981	34804	35167	35049	36554	38134	39849	41524	43219
0.0126	1.0000	13	35399	33504	33102	32822	34122	34953	35334	35241	36769	38363	40092	41789
0.0124	1.0000	14	34888	35225	33515	33195	32960	34269	35117	35523	35453	36994	38602	40353
	0.9716	15	34111	33897	34225	32563	32252	32024	33296	34120	34514	34446	35943	37506
	0.9468	16	32163	32296	32094	32404	30831	30536	30320	31525	32305	32678	32614	34031
	0.7114	17	23449	22881	22976	22832	23053	21934	21724	21570	22427	22982	23248	23202
	0.2849	18	6930	6680	6518	6545	6504	6567	6248	6188	6144	6389	6547	6622
	0.2814	19	1778	1950	1880	1834	1842	1830	1848	1758	1741	1729	1798	1842
	0.4332	20	565	770	844	814	794	797	792	800	761	754	749	778
	3.6795	21	2031	2078	2833	3105	2995	2921	2932	2914	2943	2800	2774	2755
TOTALS (1-12)			422669	422267	425546	430770	437764	447251	460008	473596	487352	499988	511973	523496
GRAND TOTAL (+ECS**)			450215	450704	454995	461291	469943	480832	493881	507323	520908	533325	545054	556309

Source: Alberta Education

Note: Totals may not correspond due to rounding

*Progression Factor

**Early Childhood Services (includes pre-schoolers in public and separate ECS programs)

ENROLMENT PROJECTIONS 1984-1995
(Public and Separate School Enrolment - Medium Forecast)
Grade Distribution

GRADE	1984 (BASE YEAR)	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
1	38191	39600	41062	42727	44438	46594	48992	49595	49668	49402	49165	48907
2	35899	35888	37090	38596	40233	41852	43882	46068	46843	46939	46748	46569
3	35030	34918	35154	36419	37952	39564	41173	43183	45354	46169	46300	46152
4	34074	34480	34624	34959	36247	37771	39389	41019	43025	45192	46053	46232
5	32645	33297	33886	34116	34495	35759	37269	38883	40507	42491	44627	45510
6	32297	32183	32990	33647	33918	34311	35572	37089	38707	40329	42312	44433
ELEM SPEC	4694	4734	4831	4940	5073	5247	5475	5700	5914	6096	6239	6337
7	33669	32963	33012	33886	34597	34897	35331	36621	38182	39849	41524	43576
8	34503	33326	32803	32937	33850	34563	34876	35338	36646	38212	39884	41572
9	33470	33102	32125	31684	31844	32728	33433	33756	34215	35478	36997	38625
J H SPEC	3437	3373	3283	3296	3351	3439	3481	3536	3625	3784	3949	4119
10	32638	32626	32351	31458	31040	31210	32061	32735	33047	33507	34738	36213
11	32059	32067	32018	32183	31342	31017	30839	31459	32005	32308	32339	33126
12	35243	34946	35288	35381	35026	34081	33630	33712	34524	35147	35499	35948
S H SPEC	4820	4824	4997	4983	4888	4812	4836	4898	4975	4990	5077	5209
ELEMENTARY	**212830**	**215100**	**219637**	**225404**	**232356**	**241098**	**251752**	**261537**	**270018**	**276618**	**281444**	**284140**
JR HIGH	**105079**	**102764**	**101223**	**101803**	**103642**	**105627**	**107121**	**109251**	**112668**	**117323**	**122354**	**127892**
SR HIGH	**104760**	**104463**	**104654**	**104005**	**102296**	**101120**	**101366**	**102804**	**104531**	**105952**	**107653**	**110496**
TOTAL	**422669**	**422327**	**425514**	**431212**	**438294**	**447845**	**460239**	**473592**	**487237**	**499893**	**511451**	**522528**

Source: Alberta Education

Note: Totals may not correspond due to rounding

ENROLMENT PROJECTIONS 1984-1995
(Public and Separate School Enrolment - High Forecast)
Age Distribution

			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
		AGE 4	40200	41600	43100	46700	46600	46400	46200	46000	45800	45400	44900
		AGE 5 JUN	38900	40200	41800	43300	46800	46800	46600	46600	46400	46000	45600
		AGE 6 JUN	37200	38900	40400	42000	43500	47100	47000	47000	46800	46700	46400
		AGE 7 JUN	36200	37200	39000	40500	41200	43700	47400	47400	47400	47200	47000
PARTICIPATION RATE 5	0.359128	AGE 5 SEP	38333	39767	41333	42867	45700	46900	46733	46733	46533	46233	45867
PARTICIPATION RATE 6	0.975132	AGE 6 SEP	36867	38333	39933	41500	42733	45967	47133	47133	47000	46867	46600
MIGRATION	ASSUMPTION		-14000	900	7500	11200	11900	13300	15300	17100	18200	19300	21100
PROJECTION	YEAR	0	1	2	3	4	5	6	7	8	9	10	11

Year			1984 (Base Year)	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MIGRATION DISTRIBUTION	PROG FACT*	AGE												
		ECS	27546	28559	29583	30716	32337	33776	34166	34032	33983	33837	33581	33276
0.0000	0	5	12936	13766	14281	14843	15394	16412	16843	16783	16783	16711	16603	16472
0.0000	0	6	34721	35949	37380	38940	40467	41670	44823	45961	45961	45831	45701	45441
0.0169	1.0000	7	35029	34484	35964	37506	39129	40668	41894	45081	46249	46268	46157	46057
0.0169	1.0000	8	34801	34792	34499	36090	37695	39330	40892	42152	45369	46556	46594	46513
0.0163	1.0000	9	34044	34572	34806	34621	36272	37888	39546	41141	42430	45665	46870	46937
0.0116	1.0000	10	32884	33881	34582	34893	34750	36410	38042	39723	41339	42641	45888	47114
0.0118	1.0000	11	33259	32718	33891	34670	35025	34890	36566	38222	39924	41553	42868	46136
0.0120	1.0000	12	33681	33091	32728	33981	34804	35167	35049	36749	38427	40142	41784	43121
0.0126	1.0000	13	35399	33504	33102	32822	34122	34953	35334	35241	36964	38656	40385	42049
0.0124	1.0000	14	34888	35225	33515	33195	32960	34269	35117	35523	35453	37189	38895	40646
	0.9716	15	34111	33897	34225	32563	32252	32024	33296	34120	34514	34446	36133	37790
	0.9468	16	32163	32296	32094	32404	30831	30536	30320	31525	32305	32678	32614	34211
	0.7114	17	23449	22881	22976	22832	23053	21934	21724	21570	22427	22982	23248	23202
	0.2849	18	6930	6680	6518	6545	6504	6567	6248	6188	6144	6389	6547	6622
	0.2814	19	1778	1950	1880	1834	1842	1830	1848	1758	1741	1729	1798	1842
	0.4332	20	565	770	844	814	794	797	792	800	761	754	749	778
	3.6795	21	2031	2078	2833	3105	2995	2921	2932	2914	2943	2800	2774	2755
TOTALS (1-12)			422669	422534	426118	431658	438889	448266	461266	475451	489734	502990	515602	527686
GRAND TOTAL (+ECS**)			450215	451093	455701	462374	471226	482042	495432	509483	523717	536827	549189	560962

Source: Alberta Education

Note: Totals may not correspond due to rounding

*Progression Factor

**Early Childhood Services (includes pre-schoolers in public and separate ECS programs)

ENROLMENT PROJECTIONS 1984-1995
(Public and Separate School Enrolment - High Forecast)
Grade Distribuiton

GRADE	1984 (BASE YEAR)	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
1	38191	39802	41353	43046	44713	46615	49236	50129	50208	50058	49860	49552
2	35899	35949	37304	38887	40523	42009	43905	46369	47368	47457	47360	47210
3	35030	34918	35212	36624	38235	39848	41331	43210	45641	46677	46806	46748
4	34074	34480	34624	35015	36447	38049	39670	41180	43055	45469	46551	46734
5	32645	33297	33886	34117	34550	35954	37542	39158	40666	42523	44897	45996
6	32297	32183	32990	33647	33918	34366	35765	37358	38979	40484	42346	44702
ELEM SPEC	4694	4738	4840	4954	5094	5271	5505	5733	5949	6138	6289	6405
7	33669	32963	33012	33886	34597	34898	35387	36814	38453	40126	41685	43619
8	34503	33326	32803	32937	33850	34563	34876	35396	36839	38482	40160	41730
9	33470	33102	32125	31684	31844	32728	33433	33757	34270	35663	37257	38891
J H SPEC	3437	3373	3283	3296	3351	3439	3481	3541	3640	3809	3977	4136
10	32638	32626	32351	31458	31040	31210	32061	32735	33047	33562	34918	36463
11	32059	32067	32018	32183	31342	31017	30839	31459	32005	32309	32340	33225
12	35243	34946	35288	35381	35026	34081	33630	33712	34524	35147	35500	35997
S H SPEC	4820	4824	4997	4983	4888	4812	4836	4898	4975	4990	5086	5229
ELEMENTARY	**212830**	**215367**	**220209**	**226290**	**233480**	**242112**	**252954**	**263137**	**271866**	**278806**	**284109**	**287347**
JR HIGH	**105079**	**102764**	**101223**	**101803**	**103642**	**105628**	**107177**	**109508**	**113202**	**118080**	**123079**	**128376**
SR HIGH	**104760**	**104463**	**104654**	**104005**	**102296**	**101120**	**101366**	**102804**	**104551**	**106008**	**107844**	**110914**
TOTAL	**422669**	**422594**	**426086**	**432098**	**439418**	**448860**	**461497**	**475449**	**489619**	**502894**	**515032**	**526637**

Source: Alberta Education

Note: Totals may not correspond due to rounding